Acknowledgements

It is with a great sense of gratitude that I take this opportunity to acknowledge my indebtedness to Professor J. R. Patadia for his valuable guidance and supervision which I have received so generously from him during the course of this work. I am also thankful to him for very valuable suggestions and for critically and meticulously going through my write up which led to this final form of the Ph. D. Thesis.

I take this opportunity to thank Dr. T. K. Das, Head, Department of Mathematics, Faculty of Science, The Maharaja Sayajirao University of Baroda, for providing necessary facilities in the Department. I also thank all my colleagues and the concerned administrative staff of the Department of Mathematics, the Faculty of Science, the Smt. Hansa Mehta Library and also of the University Office of The Maharaja Sayajirao University of Baroda for their cooperation during the entire period.

Finally I express my immense sense of gratitude to my mother, my younger brother and my better half for their co-operation and sustained support during this time. And, of course, I don’t have proper words to express my feelings for my little son and daughter who has spared, often reluctantly, many of their rightful hours for letting me spend them for my these investigations during this period.

Bhikha Lila Ghodadra

Place: Vadodara
Date: August 11, 2011